

In re Patent Application of:  
FLICK  
Serial No. 10/626,969  
Filing Date: JULY 25, 2003

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In the Claims:

This listing of claims replaces all prior versions and listings of claims in the application.

1. (Currently amended) A vehicle security system for a vehicle of a type comprising a vehicle data communications bus extending throughout the vehicle and connected to a plurality of vehicle devices, the data communications bus carrying data and address information thereover, the vehicle security system comprising:

~~at least one~~ a plurality of vehicle security sensors ~~sensors~~ interfacing with the vehicle data communications bus extending throughout the vehicle and carrying data and address information, said vehicle security sensors comprising a pre-warn sensor having a lower sensitivity for generating a pre-warning signal, and an alarm sensor having a higher sensitivity for generating an alarm signal ~~for generating a pre-warning signal or an alarm signal~~ depending upon a sensed threat level;

an alarm indicator; and

a vehicle security controller interfacing with the vehicle data communications bus extending throughout the vehicle and carrying data and address information for causing said alarm indicator to generate a pre-warning indication based upon the pre-warning signal, or for causing said alarm indicator to generate an alarm indication based upon the alarm signal.

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2. (Currently amended) The vehicle security system of Claim 1 wherein ~~said~~ at least one vehicle security sensor of said vehicle security sensors comprises a multi-stage sensor.

3. (Canceled).

4. (Original) The vehicle security system of Claim 1 wherein the alarm indication has a greater duration than the pre-warning indication.

5. (Original) The vehicle security system of Claim 1 wherein said alarm indicator comprises an audible alarm indicator, and wherein the alarm indication has a greater volume than the pre-warning indication.

6. (Currently amended) The vehicle security system of Claim 1 wherein ~~said~~ at least one vehicle security sensor of said vehicle security sensors comprises at least one motion sensor.

7. (Currently amended) The vehicle security system of Claim 1 wherein ~~said~~ at least one vehicle security sensor of said vehicle security sensors comprises a two-zone shock sensor.

8. (Original) The vehicle security system of Claim 1 wherein said alarm indicator comprises at least one of a siren, a horn, and a vehicle light.

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9. (Currently amended) The vehicle security system of Claim 1 further comprising a signal enabler for enabling said vehicle security controller to operate using a desired set of signals for a corresponding desired vehicle from a plurality of sets of signals for different vehicles for permitting said vehicle security controller to communicate with said ~~at least one~~ vehicle security sensors ~~sensor~~ and said alarm indicator via the vehicle data communications bus extending throughout the vehicle and carrying data and address information.

10. (Previously presented) The vehicle security system of Claim 9 wherein said signal enabler comprises a bus learning device for learning the desired set of signals based upon signals on the vehicle data communications bus extending throughout the vehicle and carrying data and address information.

11. (Original) The vehicle security system of Claim 9 wherein said signal enabler comprises a download device for downloading the desired set of signals.

12. (Currently amended) A vehicle security system for a vehicle of a type comprising a vehicle data communications bus extending throughout the vehicle, the data communications bus carrying data and address information thereover, and connected to a plurality of vehicle devices, the vehicle security system comprising:

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~~at least one~~ a plurality of vehicle security sensors  
~~sensor~~ comprising a pre-warn sensor having a lower sensitivity  
for generating a pre-warning signal, and an alarm sensor  
having a higher sensitivity for generating ~~or~~ an alarm signal  
depending upon a sensed threat level;

an alarm indicator interfacing with the vehicle data  
communications bus extending throughout the vehicle and  
carrying data and address information; and

a vehicle security controller connected to said ~~at-~~  
~~least one~~ vehicle security sensor sensors and interfacing with  
the vehicle data communications bus extending throughout the  
vehicle and carrying data and address information for causing  
said alarm indicator to generate a pre-warning indication  
based upon the pre-warning signal, or for causing said alarm  
indicator to generate an alarm indication based upon the alarm  
signal.

13. (Currently amended) The vehicle security system  
of Claim 12 wherein ~~said~~ at least one vehicle security sensor  
of said vehicle security sensors comprises a multi-stage  
sensor.

14. (Canceled).

15. (Original) The vehicle security system of Claim  
12 wherein the alarm indication has a greater duration than  
the pre-warning indication.

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16. (Original) The vehicle security system of Claim 12 wherein said alarm indicator comprises an audible alarm indicator, and wherein the alarm indication has a greater volume than the pre-warning indication.

17. (Currently amended) The vehicle security system of Claim 12 wherein ~~said~~ at least one vehicle security sensor of said vehicle security sensors comprises at least one motion sensor.

18. (Currently amended) The vehicle security system of Claim 12 wherein ~~said~~ at least one vehicle security sensor of said vehicle security sensors comprises a two-zone shock sensor.

19. (Original) The vehicle security system of Claim 12 wherein said alarm indicator comprises at least one of a siren, a horn, and a vehicle light.

20. (Currently amended) A vehicle security device for use with a vehicle of a type comprising a vehicle data communications bus extending throughout the vehicle, the data communications bus carrying data and address information thereover, and comprising:

~~at least one sensor~~ a plurality of sensors  
comprising a pre-warn sensor having a lower sensitivity for  
generating a pre-warning signal, and an alarm sensor having a  
higher sensitivity for generating ~~or~~ an alarm signal depending  
upon a sensed threat level; and

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a security sensor bus interface for interfacing said ~~at least one sensor~~ sensors with the vehicle data communications bus extending throughout the vehicle and carrying data and address information.

21. (Currently amended) The vehicle security device of Claim 20 further comprising a housing carrying said sensors ~~at least one sensor~~.

22. (Currently amended) The vehicle security device of Claim 20 wherein ~~said~~ at least one sensor of said sensors comprises a multi-stage sensor.

23. -(Currently amended) The vehicle security device of Claim 20 wherein ~~said~~ at least one sensor of said sensors comprises at least one motion sensor.

24. (Currently amended) The vehicle security device of Claim 20 wherein ~~said~~ at least one sensor of said sensors comprises a two-zone shock sensor.

25. (Currently amended) A vehicle security device for a vehicle of a type comprising a vehicle data communications bus extending throughout the vehicle, the data communications bus carrying data and address information thereover, and comprising:

an alarm indicator and associated alarm indicator data bus interface for interfacing said alarm indicator with

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the vehicle data communications bus extending throughout the vehicle and carrying data and address information;

said alarm indicator for generating a pre-warning indication responsive to a pre-warning signal on the vehicle data communications bus extending throughout the vehicle, the pre-warning signal from a pre-warn sensor having a lower sensitivity, and for generating an alarm indication based upon an alarm signal on the vehicle data communications bus extending throughout the vehicle and carrying data and address information, the alarm signal from an alarm sensor having a higher sensitivity.

26. (Original) The vehicle security device of Claim 25 wherein the alarm indication has a greater duration than the pre-warning indication.

27. (Original) The vehicle security device of Claim 25 wherein said alarm indicator comprises an audible alarm indicator, and wherein the alarm indication has a greater volume than the pre-warning indication.

28. (Original) The vehicle security device of Claim 25 wherein said alarm indicator comprises a siren.

29. (Original) The vehicle security device of Claim 25 further comprising a housing carrying said alarm indicator and said alarm indicator data bus interface.

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30. (Currently amended) A vehicle security method for a vehicle of a type comprising a vehicle data communications bus extending throughout the vehicle, the data communications bus carrying data and address information thereover, and an alarm indicator, the method comprising:

interfacing ~~at least one~~ a plurality of vehicle security ~~sensors~~ senser with the vehicle data communications bus extending throughout the vehicle and carrying data and address information, the ~~at least one~~ vehicle security ~~sensors~~ senser comprising a pre-warn sensor having a lower sensitivity for generating a pre-warning signal, and an alarm sensor having a higher sensitivity for generating ~~or~~ an alarm signal depending upon a sensed threat level; and

causing the alarm indicator to generate a pre-warning indication based upon the pre-warning signal, or causing the alarm indicator to generate an alarm indication based upon the alarm signal.

31. (Currently amended) The method of Claim 30 wherein ~~the~~ at least one vehicle security sensor of the vehicle security sensors comprises a housing and a multi-stage sensor carried by the housing.

32. (Canceled).

33. (Original) The method of Claim 30 wherein the alarm indication has a greater duration than the pre-warning indication.



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34. (Original) The method of Claim 30 wherein the alarm indicator comprises an audible alarm indicator, and wherein the alarm indication has a greater volume than the pre-warning indication.

35. (Currently amended) The method of Claim 30 wherein the at least one vehicle security sensor of the vehicle security sensors comprises at least one motion sensor.

36. (Currently amended) The method of Claim 30 wherein the at least one vehicle security sensor of the vehicle security sensors comprises a two-zone shock sensor.

37. (Currently amended) A vehicle security method for a vehicle of a type comprising a vehicle data communications bus extending throughout the vehicle, the data communications bus carrying data and address information thereover, the method comprising:

interfacing an alarm indicator with the vehicle data communications bus extending throughout the vehicle and carrying data and address information; and

causing the alarm indicator to generate a pre-warning indication based upon a pre-warning signal on the vehicle data communications bus extending throughout the vehicle and carrying data and address information, the pre-warning signal from a pre-warn sensor having a lower sensitivity, and causing the alarm indicator to generate an alarm indication based upon an alarm signal on the vehicle data communications bus extending throughout the vehicle and

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carrying data and address information, the alarm signal from  
an alarm sensor having a lower sensitivity.

38. (Original) The method of Claim 37 wherein the alarm indication has a greater duration than the pre-warning indication.

39. (Original) The method of Claim 37 wherein the alarm indicator comprises an audible alarm indicator, and wherein the alarm indication has a greater volume than the pre-warning indication.

40. (Original) The method of Claim 37 wherein the alarm indicator comprises at least one of a siren and a horn.